

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: **Akira FUKUDA, et al.**

Serial Number: **Not Yet Assigned**

Filed: **March 11, 2004**

Customer No.: 38834

For: **BEAM SOURCE AND BEAM PROCESSING APPARATUS**

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

March 11, 2004


Sir:

In compliance with 37 CFR 1.56, Applicant(s) call(s) to the attention of the Patent and Trademark Office the references listed on the attached PTO-1449.

A copy of each of the references is enclosed herewith.

In the event there are any fees due in connection with the filing of this paper, please charge Deposit Account No. 50-2866.

Respectfully submitted,
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Enclosures: PTO-1449; References (10)

INFORMATION DISCLOSURE STATEMENT PTO-1449	Attv. Docket No. 042184	Serial No. New Appln.
	Applicant(s): Akira FUKUDA, et al.	
	Filing Date: March 11, 2004	Group Art Unit:

U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Name	Date	Class	Subclass	Filing Date (If appropriate)
	AA	4,158,589	Keller et al.	06/19/79		
	AB	5,827,435	Samukawa	10/27/98		
	AC	5,928,528	Kubota et al.	07/27/99		
	AD	6,217,703	Kitagawa	04/17/01		
	AE	6,331,701	Chen et al.	12/18/01		

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Translation (Yes or No)
	AF	WO 01/06534	01/25/01	PCT	Abstract
	AG	WO 02/078407	10/03/02	PCT	Abstract

OTHER DOCUMENTS

AH	J.M.E. Harper et al., "Low Energy Ion Beam Etching", J. Electrochem. Soc: SOLID-STATE SCIENCE AND TECHNOLOGY, Vol.128, No. 5, May 1981, pp. 1077-1083.
AI	Harold R. Kaufman, "Technology of ion beam sources used in sputtering", J. Vac. Sci. Technol. 15(2), March/April 1978, pp. 272-276.
AJ	Shoji KITAMURA, "Ion Engine (Direct Current Discharge Type)", J. Vac. Soc. Jpn. Vol. 45, No. 4, 2002, pp. 329-335.
Examiner	Date Considered